

V-400 PVC DOUBLE HUNG WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

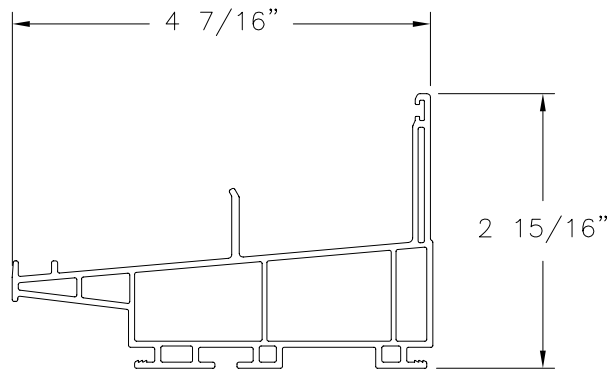
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE THE RESIDENTIAL BUILDING CODE WITH STATE OF TEXAS MODIFICATIONS.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5) FRAME MATERIAL: EXTRUDED RIGID PVC.
- 6) UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 4 FOR GLASS OPTIONS.
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 9) FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS, MINIMUM, WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS, MINIMUM, WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11) FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS, MINIMUM, WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 12) ALL FASTENERS TO BE CORROSION RESISTANT.
- 13) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

SIGNED: 06/26/2012

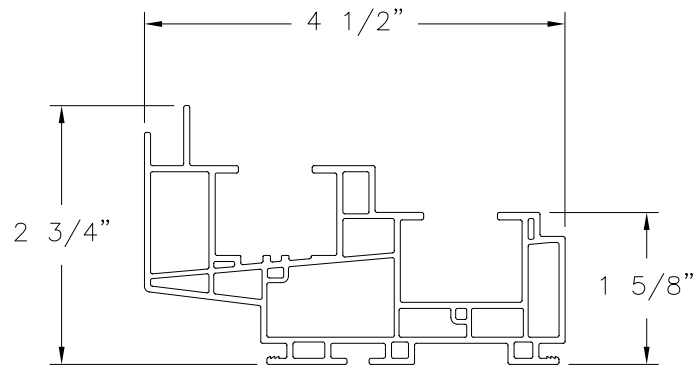
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1	ELEVATION, ANCHORING AND NOTES
2	CHARTS AND COMPONENTS
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WinDoor INCORPORATED		7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
V-400 PVC DOUBLE HUNG 54 X 84 REINFORCED LMI ELEVATION AND NOTES			
DRAWN: A.P.	DWG NO. 08-01652	REV -	
SCALE NTS	DATE 06/26/12	SHEET 1 OF 4	

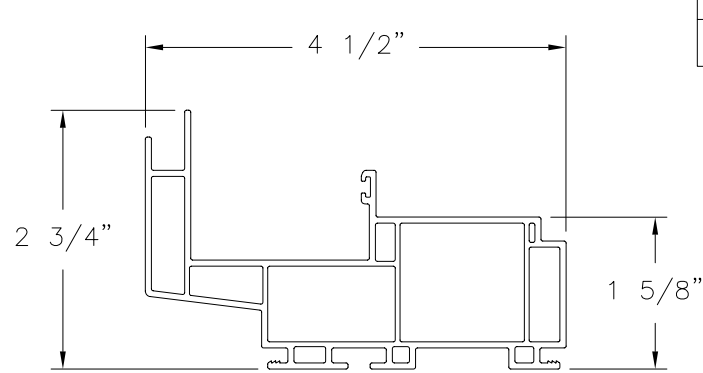
Luis R. Lomas P.E.
TX No.: 101889



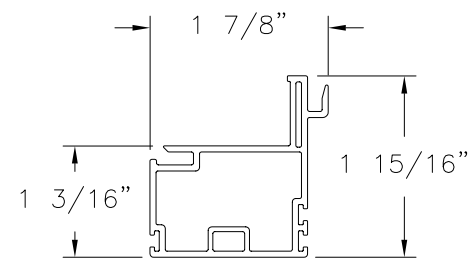
SILL (DH9303)
VINYL PVC .065" THICK



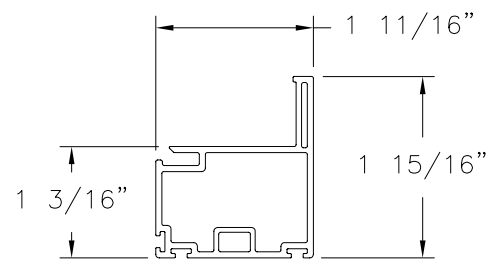
FRAME (DH9301)
VINYL PVC .065" THICK



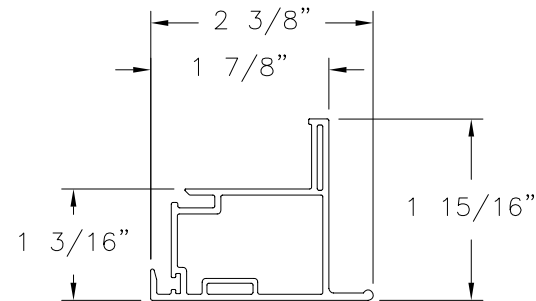
HEAD (DH9302)
VINYL PVC .065" THICK



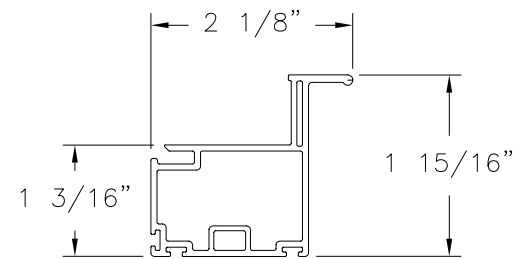
KEEPER RAIL (SE9344)
VINYL PVC .065" THICK



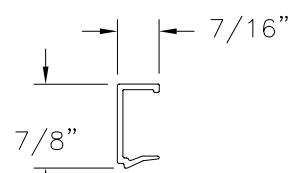
COMMON SASH (SE9345)
VINYL PVC .065" THICK



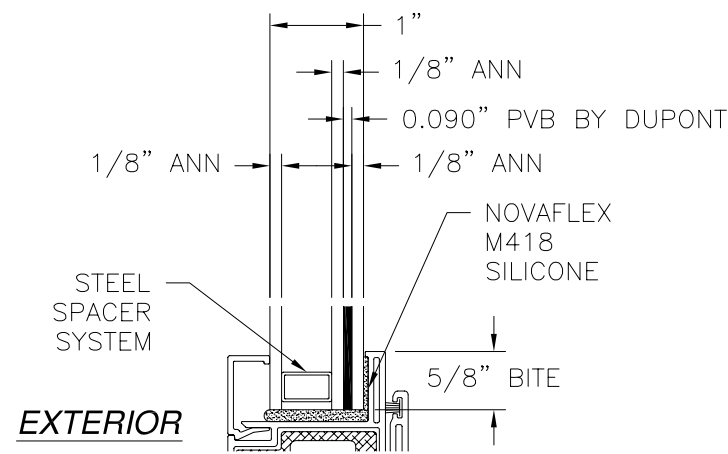
LIFT RAIL (SE9346)
VINYL PVC .065" THICK



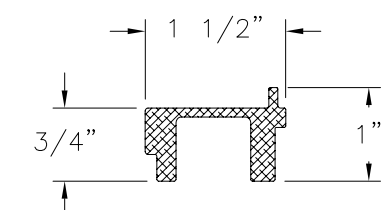
LIFT RAIL (SE9347)
VINYL PVC .065" THICK



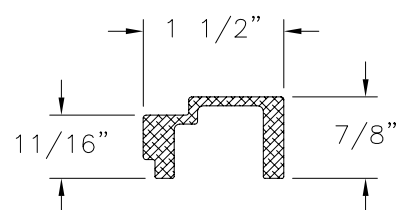
3/4" GLAZING BEAD (BV137)
VINYL PVC .059" THICK



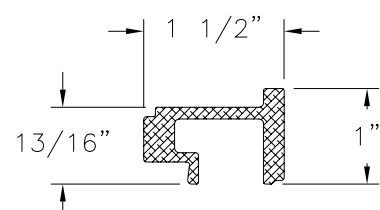
GLAZING DETAIL



REINFORCING (SE9344)
ALUMINUM 6063-T6 .095" THICK



REINFORCING (SE9345)
ALUMINUM 6063-T5 .095" THICK



REINFORCING (SE9346)
ALUMINUM 6063-T6 .125" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NUMBER OF ANCHOR LOCATIONS REQUIRED														
Window Height (in)	Window Width (in)													
	18.00		24.00		30.00		36.00		42.00		48.00		54.00	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
24.00	2	2	2	2	3	2	3	2	4	2	4	2	4	3
30.00	2	3	2	3	3	3	3	3	4	3	4	3	4	3
36.00	2	3	2	3	3	3	3	3	4	3	4	3	4	4
42.00	2	4	2	4	3	4	3	4	4	4	4	4	4	4
48.00	2	4	2	4	3	4	3	4	4	4	4	5	4	5
54.00	2	4	2	4	3	4	3	4	4	5	4	5	4	6
60.00	2	5	2	5	3	5	3	5	4	5	4	6	4	6
66.00	2	5	2	5	3	5	3	5	4	6	4	6	4	7
72.00	2	6	2	6	3	6	3	6	4	6	4	7	4	7
78.00	2	6	2	6	3	6	3	6	4	7	4	7	4	8
84.00	2	6	2	6	3	6	3	6	4	7	4	8	4	9

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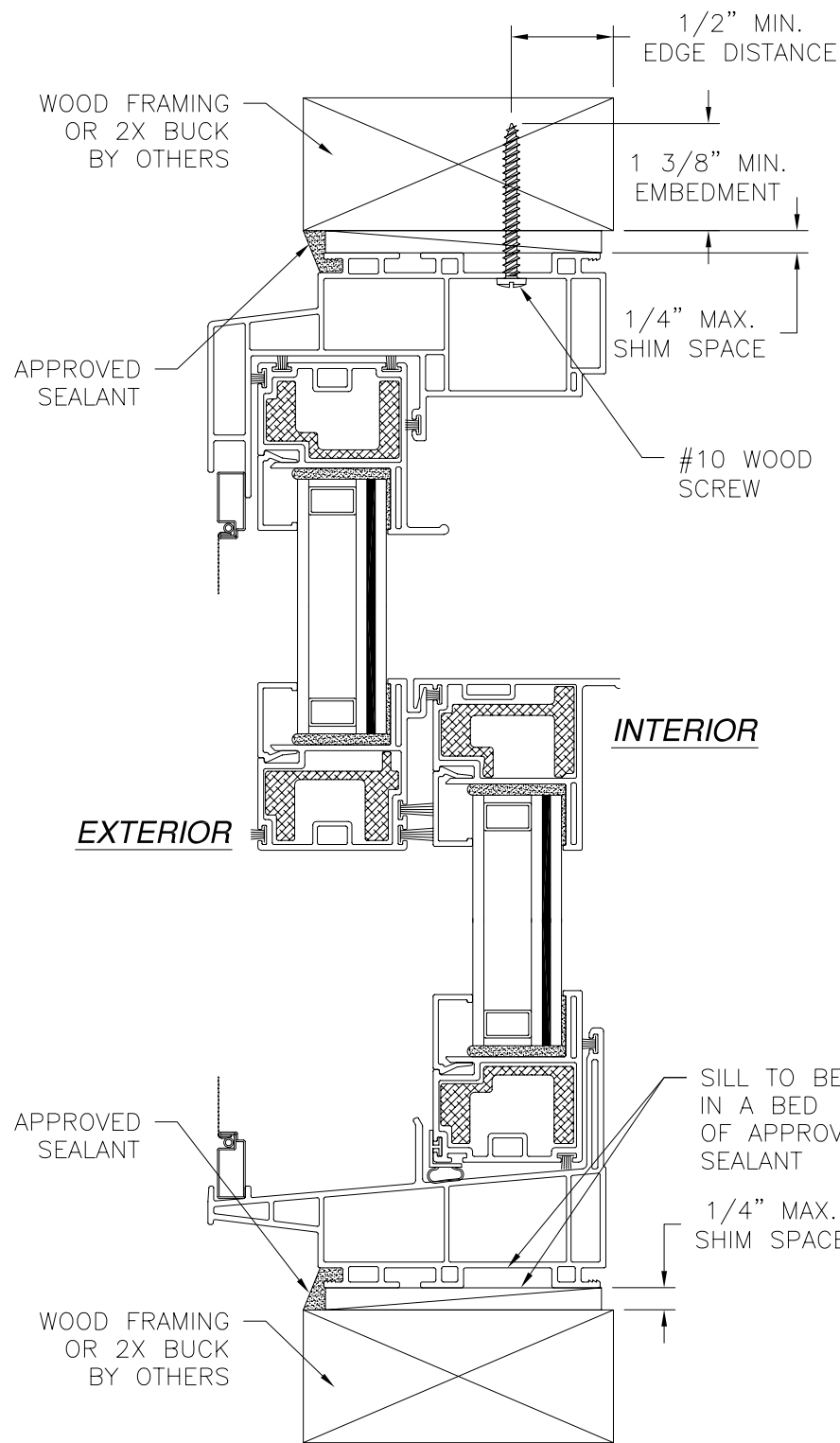
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54 X 84 REINFORCED LMI
CHARTS AND COMPONENTS

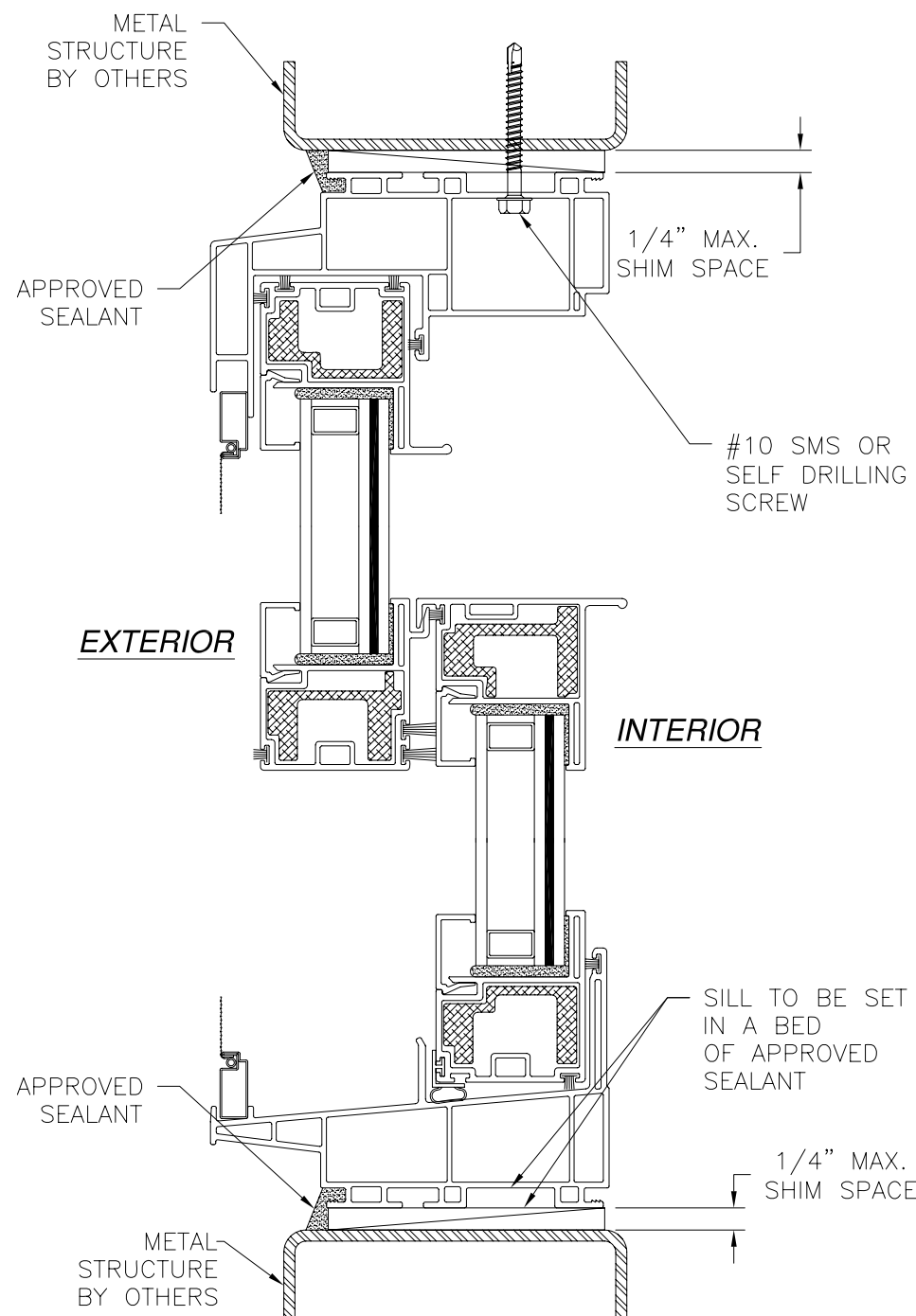
DRAWN: A.P.	DWG NO. 08-01652	REV -
SCALE NTS	DATE 06/26/12	SHEET 2 OF 4



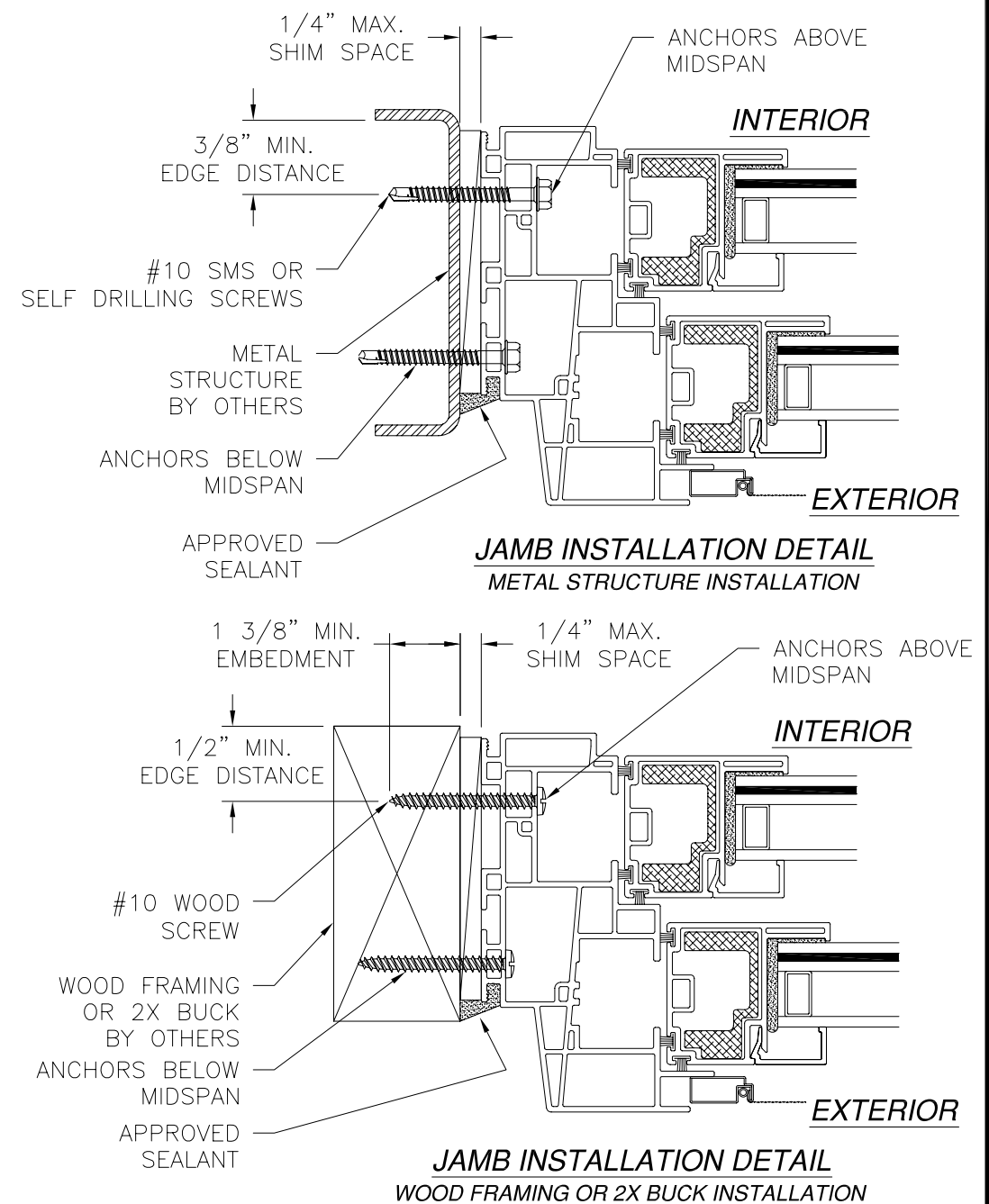
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



NOTE:
INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT
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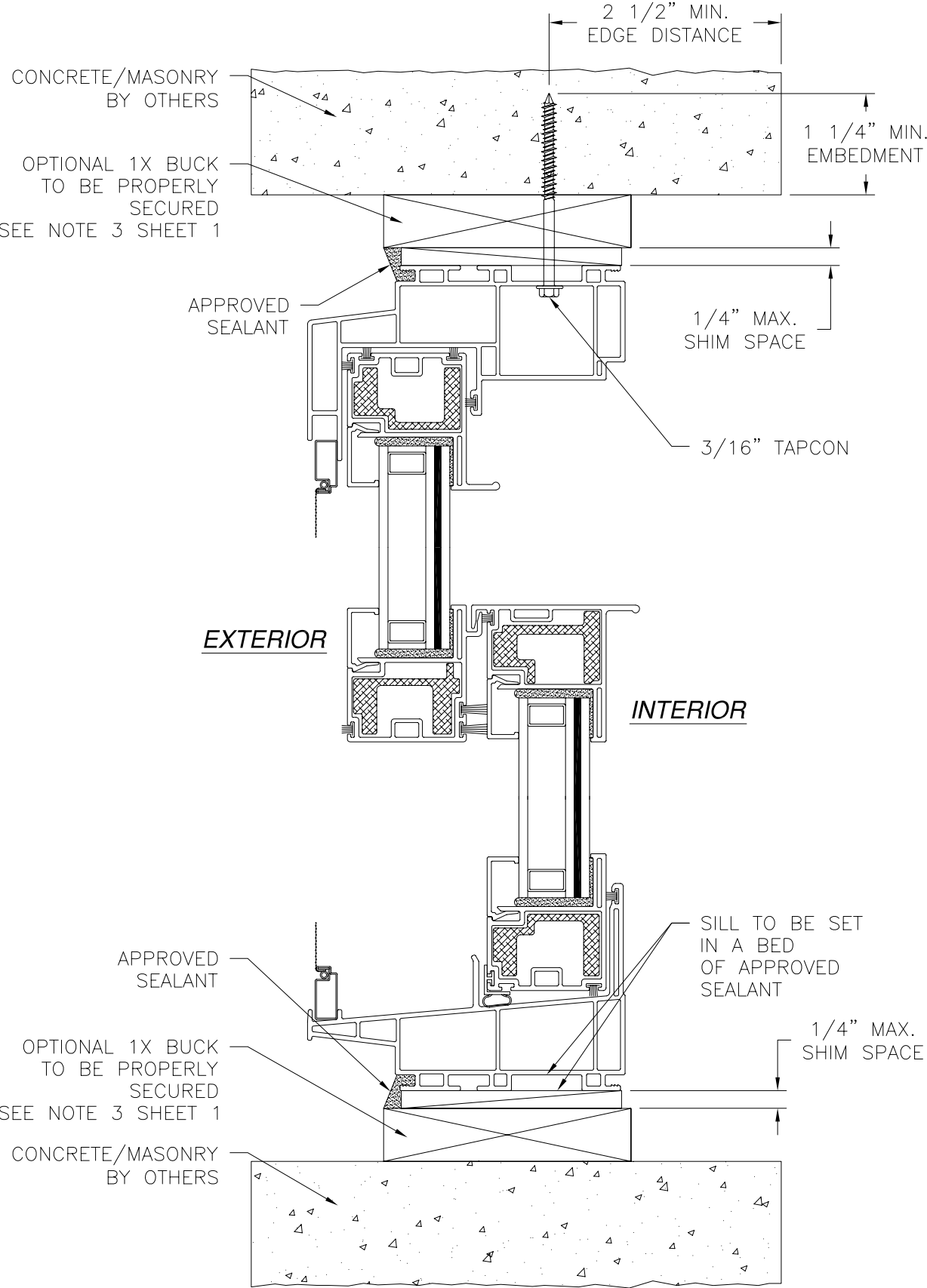
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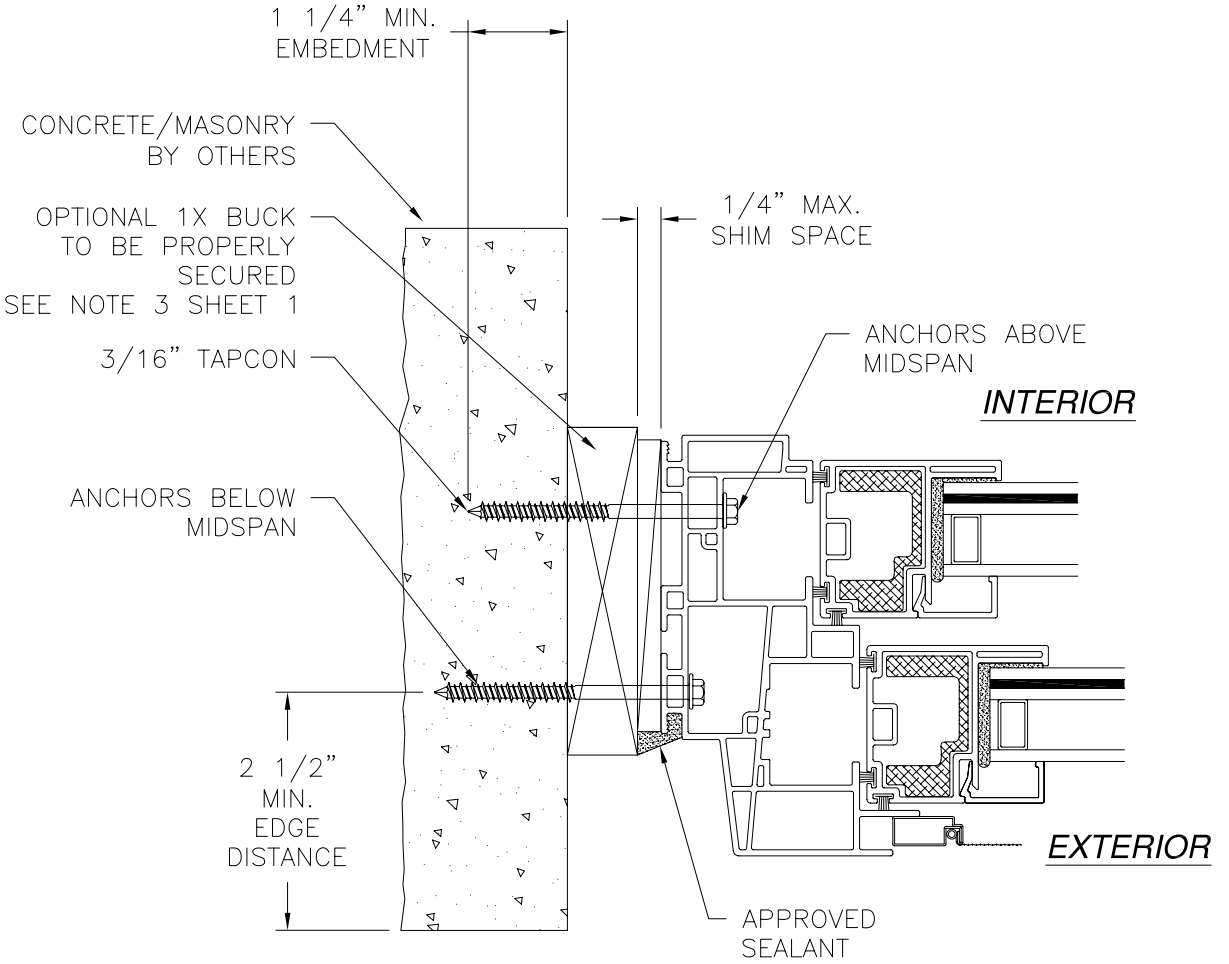
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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